## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 30 June 2005 (30.06.2005)

**PCT** 

## (10) International Publication Number WO 2005/058035 A1

(51) International Patent Classification7: C07D 401/14, 401/04, 403/04

A01N 43/38,

(21) International Application Number:

PCT/IB2004/004170

(22) International Filing Date: 9 December 2004 (09.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0328909.7

12 December 2003 (12.12.2003)

(71) Applicant (for all designated States except US): SYN-GENTA PARTICIPATIONS AG [CH/CH]; Schwarzwaldallee 215, CH-4058 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CASSAYRE, Jerome [FR/CH]; Syngenta Crop Protection AG, Werk Rosental, Schwarzwaldallee 215, CH-4058 Basel (CH). MAIENFISCH, Peter [CH/CH]; Syngenta Crop Protection AG, Werk Rosental, Schwarzwaldallee 215, CH-4058 Basel (CH). MOLLEYRES, Louis-Pierre [CH/CH]; Syngenta Crop Protection AG, Werk Rosental, Schwarzwaldallee 215, CH-4058 Basel (CH). CEDER-BAUM, Fredrik [SE/CH]; Syngenta Crop Protection AG, Werk Rosental, Schwarzwaldallee 215, CH-4058 Basel (CH).

(74) Agents: WATERMAN, John, Richard et al.; Intellectual Property Department, Syngenta Limited P.O. Box 3538, Jealott's Hill International Research Centre, Bracknell, Berkshire RG42 6YA (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

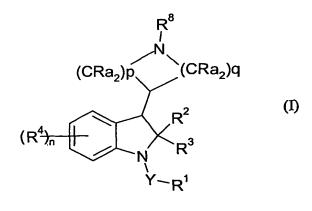
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

USE OF (3-(1-(3-PHENYL-PROPENYL)-PIPERIDIN-4-YL)-2,3-DIHYDRO-INDOL-1-YL)-(PYRIDIN-4-YL)-(54) Title: METHANONE DERIVATIVES AND RELATED COMPOUNDS AS INSECTICIDES



(57) Abstract: The use of a compound of formula (I): R<sup>3</sup> N Y R<sup>1</sup>(I) wherein Y is a single bond, C=O, C=S or  $S(O)_{71}$  where m is 0, 1 or 2;  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$ ,  $R^8$  and Raare specified organic groups and p is 0, 1, 2, 3, 4, 5 or 6; q is 0, 1, 2, 3, 4, 5 or 6; p+q is 1, 2, 3, 4, 5 or 6; or salts or N-oxides thereof or compositions to containing them in controlling insects, acarines, nematodes or molluscs; novel compounds are also provided.